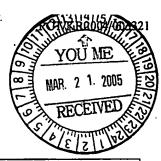
Rec'difictifts 0 9 MAR 2005.

PATENT COOPERATION TREATY PCT 10/527 165

INTERNATIONAL SEARCH REPORT

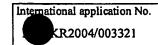
(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference OPP043068KR	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.						
International application No.	International filing date (day/m	onth/year)	(Earliest) Priority Date (day/month/year)					
PCT/KR2004/003321	16 DECEMBER 2004 (16.12.2004)	19 DECEMBER 2003 (19.12.2003)					
Applicant								
LG CHEM, LTD. et al								
This International search report has been prep	pared by this International Searce	hing Authority a	nd is transmitted to the applicant according					
to Article 18. A copy is being transmitted to the	he International Bureau.	•						
This international search report consists of a t	otal of 3 sheets.							
It is also accompanied by a cop	y of each prior art document cit	ed in this report.						
Basis of the report a. With regard to the language, the int language in which it was filed, unless			f the international application in the					
,	was carried out on the basis of a		e international application furnished to					
b. With regard to any nucleotide	and/or amino acid sequence d	isclosed in the in	ternational application, see Box No. l.					
2. Certain claims were found ur	nsearchable (See Box No. II)							
3. Unity of invention is lacking ((See Box No. III)							
4. With regard to the title,		•						
the text is approved as submitte	ed by the applicant.							
the text has been established by this Authority to read as follows:								
5. With regard to the abstract, the text is approved as submitted.	nd by the applicant							
, _		s Authority as it	appears in Box No. IV. The applicant					
1 —			ort, submit comments to this Authority.					
6. With regard to the drawings,	-							
a. the figure of the drawings to be put	olished with the abstract is Figur	e No						
as suggested by the appli								
because the applicant faile	ed to suggest a figure.							
because this figure better	characterizes the invention.							
b. none of the figure is to be publ	ished with the abstract.		•					

INTERNATIONAL SEARCH REPORT Information on

family members



Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6,203,955 B1	20. 03. 01 N	ONE	
KR 10- 2002-34064 /	A 08. 05. 02	NONE	
US 5,905,010 A	18. 05. 99 JP	10-161335 A 19. 06. 98	
US 2002/98434 A1	25. 07. 02	JP 2002-162783 A 07. 06. 0	2
US 5,348,829 A	20. 09. 94 EF JP 5-19720	9 541113 A1 12. 05. 93 00 A 06. 08. 93	

INTERNATIONAL SEARCH REPORT

International application No. (KR2004/003321

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G03G 9/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G03G 9/08, 9/083, 9/087, 9/097,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Korean Utility models and applictions for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS, E-SPACENET

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,203,955 B1 (Toshiba Tec Co. Ltd.) 20 MARCH 2001 See the whole documents	1-15
Α	KR 10-2002-34064 A (LG CHEM. INVESTMENT, Ltd.) 08 MAY 2002 See abstract, claims 1-19	1-15
A	US 5,905,010 A (Minolta Co. Ltd.) 18 MAY 1999 See column 1, lines 50-61, claims 1 and 10	1-15
A	US 2002/98434 A1 (Masahiro Anno) 25 JULY 2002 See abstract, claims 1-20	1-15
A	US 5,348,829 A (Canon Co. Ltd.) 20 SEPTEMBER See claims 1, 13 and 17	1-15

<u> </u>	Further	documents	are listed	in the c	ontmuation	of Box C.
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See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search

17 MARCH 2005 (17.03.2005)

19 MARCH 2005 (19.03.2005)

Name and mailing address of the ISA/KR

9

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Facsimile No. 82-42-472-7140

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